```
        (FILE 'USPAT' ENTERED AT 12:52:35 ON 13 APR 1999)
L1              13 S (STOR? OR HALT)(P)JOB(P)POWER(P)OFF AND PRINTER#
L2               2 S (STOR? OR HALT)(P)JOB(P)POWER(P)OFF(P) STATUS AND PRINTE
R#
L3               2 S (STOR? OR HALT?)(P)JOB#(P)POWER(P)OFF(P) STATUS AND PRIN
TER

=> d 1- 13 pn

US PAT NO:      5,832,331 [IMAGE AVAILABLE]          L3: 1 of 2
US PAT NO:      5,812,821 [IMAGE AVAILABLE]          L3: 2 of 2

=> d 1- 14 pn

'L4' NOT FOUND

=> d 1- 12 pn

US PAT NO:      5,832,331 [IMAGE AVAILABLE]          L2: 1 of 2
US PAT NO:      5,812,821 [IMAGE AVAILABLE]          L2: 2 of 2

=> d 1- 11 pn

US PAT NO:      5,875,345 [IMAGE AVAILABLE]          L1: 1 of 13
US PAT NO:      5,832,331 [IMAGE AVAILABLE]          L1: 2 of 13
US PAT NO:      5,812,821 [IMAGE AVAILABLE]          L1: 3 of 13
US PAT NO:      5,791,790 [IMAGE AVAILABLE]          L1: 4 of 13
US PAT NO:      5,768,483 [IMAGE AVAILABLE]          L1: 5 of 13
US PAT NO:      5,659,302 [IMAGE AVAILABLE]          L1: 6 of 13
US PAT NO:      5,419,440 [IMAGE AVAILABLE]          L1: 7 of 13
US PAT NO:      5,163,122 [IMAGE AVAILABLE]          L1: 8 of 13
US PAT NO:      5,086,497 [IMAGE AVAILABLE]          L1: 9 of 13
US PAT NO:      5,018,078 [IMAGE AVAILABLE]          L1: 10 of 13
US PAT NO:      4,930,911 [IMAGE AVAILABLE]          L1: 11 of 13
US PAT NO:      4,689,639 [IMAGE AVAILABLE]          L1: 12 of 13
US PAT NO:      4,197,797 [IMAGE AVAILABLE]          L1: 13 of 13
```

DRAWING DESC:

DRWD(10)

 FIG. 9 is an explanatory view showing a mechanism of the **status** query according to the present embodiment; and

DETDESC:

DETD(10)

 [8] **status** query function according to the present embodiment; and

DETDESC:

DETD(18)

 The . . . a scanner function by using functions of the display section and the touch panel interacting with a use. Furthermore a **status** message required by the scanner/printer function can be displayed in the panel.

DETDESC:

DETD(45)

                 TABLE 1
_____

Functions Contents of the functions

_____

Print queues
          A **print job** outputted from a plurality of WSs 103
function is time-sequentially queued.
Job ID   A **job** ID is generated in response to the **print
job.**
generating
function
Job ID   A user ID and a connection ID for the **print job**
storage   are **stored.**
function
Message queue
          A message including therein the **job** ID received
function   from the scanner/**printer** controller 107 through the
          NIC 106 is time-sequentially queued.
Job owner The **job** ID of the queued message is checked, and a
identifying
          job owner is identified from the user ID and the
function   connection ID each corresponding to the **job** ID.
Message send-
          In a case where the identified **job** owner exists on
out function
          the network, the message is immediately sent out
          to the corresponding client machine.
Deleting   After the message is transferred, the
function   corresponding message, **job** ID, user ID and
          connection ID are deleted.
Message   If the **job** owner identified by the **job** owner

```
processing
         specifying fu●ion does not exist on the network
terminating
         101 due to a log out or a **power** being turned **OFF**,
function  the corresponding message is aborted and the
         processing is terminated.
Message queue
         If the **job** owner identified by the **job** owner
function  specifying function does not exist on the network
         101 due to a log out or a **power** being turned **OFF**,
         the corresponding message is maintained or **stored**
         in the message queue, and whether the identified
         **job** owner is logged in again or not is periodically
         checked, and when the log-in is checked, the
         message maintained or **stored** is immediately
         transferred.
**Print** profile
         **Print** profiles each for specifying **printing**
maintaining
         conditions such as a paper pass, and a finishing
function  or the like are maintained or **stored** in a
         plurality of files.
```

DETDESC:

DETD(59)

An engine driver exchanges a **status** with the copier engine section 110, sets paper handling, starts up the printer/scanner, and makes communications with the operating panel.   .   .

DETDESC:

DETD(101)
   Printer **status**

DETDESC:

DETD(102)
   Scanner **status**

DETDESC:

DETD(225)
[8] **Status** Query Function according to the Present Embodiment

DETDESC:

DETD(226)

In both the network printer function and the network scanner function according to the system, a **status** and configuration as a MIB (Management Information Base) can be queried through the SNMP (Simple Network Management Protocol). The SNMP.   .   .

DETDESC:

DETD(227)

FIG. 9 shows a mechanism of the **status** query. The NIC106 returns the prepared data as it is as a response if there is a query (command) on.   .
.

DETDESC: